Valentin Walter Weitemeyer

B.Sc. Physics

Friedrich-Ebert-Anlage 56
69117 Heidelberg, Germany
📞 *+49 176 56969325*
✉ *weitemeyer@uni-heidelberg.de*

Education

2025 – Present	**M.Sc. Physics**, *Heidelberg University*, Heidelberg Focus area: Renormalisation Group Methods
Autumn 2025	**Erasmus Semester**, *University of Southern Denmark (SDU)*, Odense Coursework: QFT, Advanced Statistical Physics, Operator Algebras
2021 – 2025	**B.Sc. Physics**, *Heidelberg University*, Final Grade: 1.6 Coursework emphasis: Mathematical and Theoretical Physics Bachelor Thesis: Random Walk Representations of discrete Quantum Field Theories
2015 – 2021	**High School Diploma**, *Hannah-Arendt-Gymnasium Haßloch* Final Grade: 1.5 ($\approx$ GPA 3.7/4.0) | Focus: Physics, Mathematics, and Social Studies **Awards:** Best final exam in Physics, and Mathematics | Best overall graduation in cohort

Theses

August 2025	**Bachelor Thesis**, *Heidelberg University*, Grade: 1.0 (highest distinction) *Random Walk Representations of discrete Quantum Field Theories* Supervisor: Prof. Manfred Salmhofer

Teaching Experience

2026 – Present	**Student Assistant**, *Institute for Theoretical Physics*, Heidelberg Prepared and typeset lecture notes in LaTeX for *Mathematical Aspects of Renormalisation Theory* (Prof. Salmhofer)
2024 – 2025	**Teaching Assistant**, *Faculty of Mathematics and Computer Science*, Heidelberg ○ Under supervision of Prof. Dr. Peter Albers and head tutor Dr. Kevin Wiegand ○ Supervised tutorial sessions for "Analysis 1" and "Analysis 2" ○ Evaluated and graded homework assignments and exams

Schools and Workshops

March 2025	**SFB TRR 352 Winter School**, *Ludwig-Maximilians-Universität*, Kochel am See Mathematics of Many-Body Quantum Systems
June 2024	**4EU+ Summer School**, *University of Copenhagen*, Copenhagen Quantum Information and Many-Body Theory — incl. poster presentation

Languages

German	Native speaker	
English	C1 (Advanced)	*Fluent in academic contexts, lectures, and discussions*

Skills

Programming	Python (NumPy, SciPy, Conda), Jupyter Notebook, Monte Carlo simulations, Git
Typesetting	LaTeX